

ABSTRACT OF THE DISCLOSURE

A biodegradable cationic lipopolymer comprising a polyethylenimine (PEI), a lipid, and a biocompatible hydrophilic polymer, wherein 1) the lipid and the biocompatible hydrophilic polymer are directly linked to the PEI backbone or 2) the lipid is linked to the 5 PEI backbone through the biocompatible hydrophilic polymer. The cationic lipopolymers of the present invention can be used for delivery of a nucleic acid or any anionic bioactive agent to various organs and tissues after local or systemic administration.